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[KR/KR]; 314-902 LG3cha APT., Sungbok-li, Suji-eub,
Yongin-si, Kyungki-do 449-844 (KR).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHUNG, Kwang**
Choon [KR/KR]; 9-711 Gaepo4Woosung APT., Do-
gok-dong, Kangnam-gu, Seoul 135-270 (KR). **GONG,**
Myoung Seon [KR/KR]; 904 Hyundai4 APT., Ilwon-dong,
Kangnam-gu, Seoul 135-230 (KR). **SHIM, Jae Joon**

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(54) Title: THE POLYELECTROLYTE COMPOSITION FOR HUMIDITY SENSOR, POLYELECTROLYTE INK AND PREPA-
RATION METHOD OF POLYELECTROLYTE MEMBRANE FOR SENSOR BY INKJET PRINTING

(57) Abstract: This invention is relating to the polyelectrolyte composition for humidity sensor, polyelectrolyte ink and the prepa-
ration method of polyelectrolyte membrane for humidity sensor by inkjet printing. The polyelectrolyte composition according to
this invention is composed of polyelectrolyte, crosslinking agent and organic solvent comprising a single component or in the form
of a mixture of two or more solvents such as alcohols. And an ink manufactured from above polyelectrolyte composition, is man-
ufactured by adding to organic solvents such as polyhydric alcohols ensuring the solution fluidity suitable for the head of inkjet
printer, high-boiling humectant preventing drying of ink and surfactant. This invention is to provide polyelectrolyte composition and
polyelectrolyte ink composition suitable for humidity sensor, and the preparation method for reliable humidity sensor with uniform
thickness through inkjet printing.

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